

Option FSQ-B72, IQ bandwidth extension for the FSQ extends IQ demodulation bandwidth to 120 MHz and VSA symbol rates to 81.6 MHz

Introducing the new option FSQ-B72, wideband IQ demodulation, R&S now offers the widest usable demodulation bandwidth in a single instrument. The option extends the demodulation bandwidth to 60 MHz for carrier frequencies below 3.6 GHz and to 120 MHz for carrier frequencies above 3.6 GHz.

Main application areas:

- IQ data extraction for wideband analysis with for example RADAR signals or in the area of 4G (100 MHz under discussion)
- IQ data extraction for MCPA characterization (MCPA = Multicarrier power amplifier)
- Vector signal analysis with option FSQ-K70 and symbol rates up to 81.6 MHz, thus including for example satellite transponder bandwidth and DVB-S

The option seamlessly integrates into the FSQ functions, there is no need to specifically switch it on.

Selecting symbol rates above 25 MS in the K70 mode or sampling rates above 81.6 MHz for IQ data extraction automatically selects the wideband demodulation option.



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